What is claimed is:

- 1. A fluid pressure regulator assembly comprising:
 - (a) means for providing a pressurized fluid;
 - (b) first means coupled to said providing means for transporting a pressurized fluid;
 - (c) second means for transporting a pressurized fluid;
 - (d) a fluid regulator coupled to said first transporting means and to said second transporting means; and
 - (e) means coupled between said first means and said fluid regulator for converting pressurized fluid into mechanical power.
- 2. The fluid pressure regulator assembly of Claim 1, wherein said mechanical power is rotational motion.
- 3. The fluid pressure regulator assembly of Claim 2, wherein said converting means comprises a plurality of vanes in fluid communication with said first providing means.
- 4. The fluid pressure regulator assembly of Claim 1, wherein said converting means is a vane motor.
- 5. The fluid pressure regulator assembly of Claim 1, further comprising an electrical generator coupled to said converting means.
- 6. The fluid pressure regulator assembly of Claim 1, wherein said converting means is a motor comprising:
 - (a) an outer race centered about a first axis;
 - (b) an inner race centered about a second axis;
 - (c) wherein said first axis is different from said second axis;

- (d) wherein said first axis is parallel to said second axis; and
- (e) a vane coupled for movement relative to said inner race.
- 7. The fluid pressure regulator assembly of Claim 6, further comprising a generator coupled to said motor.
- 8. The fluid pressure regulator assembly of Claim 7, further comprising supplemental means coupled to said first means for converting pressurized fluid into mechanical power.
- 9. The fluid pressure regulator assembly of Claim 8, further comprising means coupled to said fluid regulator for allowing breathing of a fluid passing through the regulator.
- 10. The fluid pressure regulator assembly of Claim 9, further comprising a watertight generator coupled to said converting means.
 - 11. A fluid pressure regulator comprising:
 - (a) means for providing a pressurized fluid;
 - (b) a first pressurized fluid line coupled to said providing means;
 - (c) means coupled to said first pressurized fluid lie for converting pressurized fluid into mechanical energy;
 - (d) a regulator coupled to said generating means; and
 - (e) a second pressurized fluid line coupled to said regulator.
- 12. The fluid pressure regulator of Claim 11, wherein said converting means comprises a plurality of vanes in fluid communication with said first providing means.
- 13. The fluid pressure regulator of Claim 11, wherein said converting means is a turbine.

- 14. The fluid pressure regulator of Claim 11, further comprising an electrical generator coupled to said converting means.
- 15. The fluid pressure regulator of Claim 11, wherein said converting means is a motor comprising:
 - (a) an outer race centered about a first axis;
 - (b) an inner race centered about a second axis;
 - (c) wherein said first axis is different from said second axis;
 - (d) wherein said first axis is parallel to said second axis; and
 - (e) a vane coupled for movement relative to said inner race.
- 16. The fluid pressure regulator of Claim 15, further comprising a generator coupled to said motor.
 - 17. A method for converting pressurized fluid into power comprising:
 - (a) providing a fluid regulator;
 - (b) providing pressurized fluid to said fluid regulator; and
 - (c) converting said pressurized fluid to mechanical motion prior to said pressurized fluid reaching said fluid regulator.
- 18. The method for converting pressurized fluid of Claim 20, further comprising converting said mechanical motion to electricity.
- 19. The method for converting pressurized fluid of Claim 21, further comprising monitoring said electricity and regulating said mechanical motion sufficiently to produce said electricity at a substantially predetermined rate.
- 20. The method of converting pressurized fluid of Claim 17, wherein said converting means is a vane motor.